

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1–1/2” OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300–04/09.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FIN INTO METAL FRAMING USE #6 SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .048” THICK MINIMUM
21. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3 – 9	INSTALLATION DETAILS
10	COMPONENTS

MI WINDOWS & DOORS, LLC

650 WEST MARKET STREET
GRATZ, PA 17030–0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON–IMPACT 48” X 96”
NOTES

DRAWN:
A.R.

DWG NO.
08–03353

REV
A

SCALE NTS

DATE 11/08/18

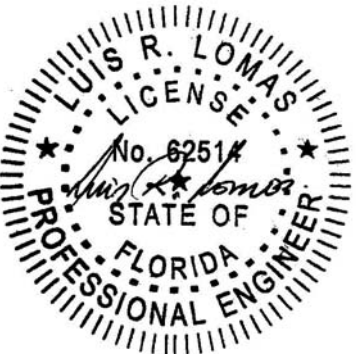
SHEET 1 OF 10

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

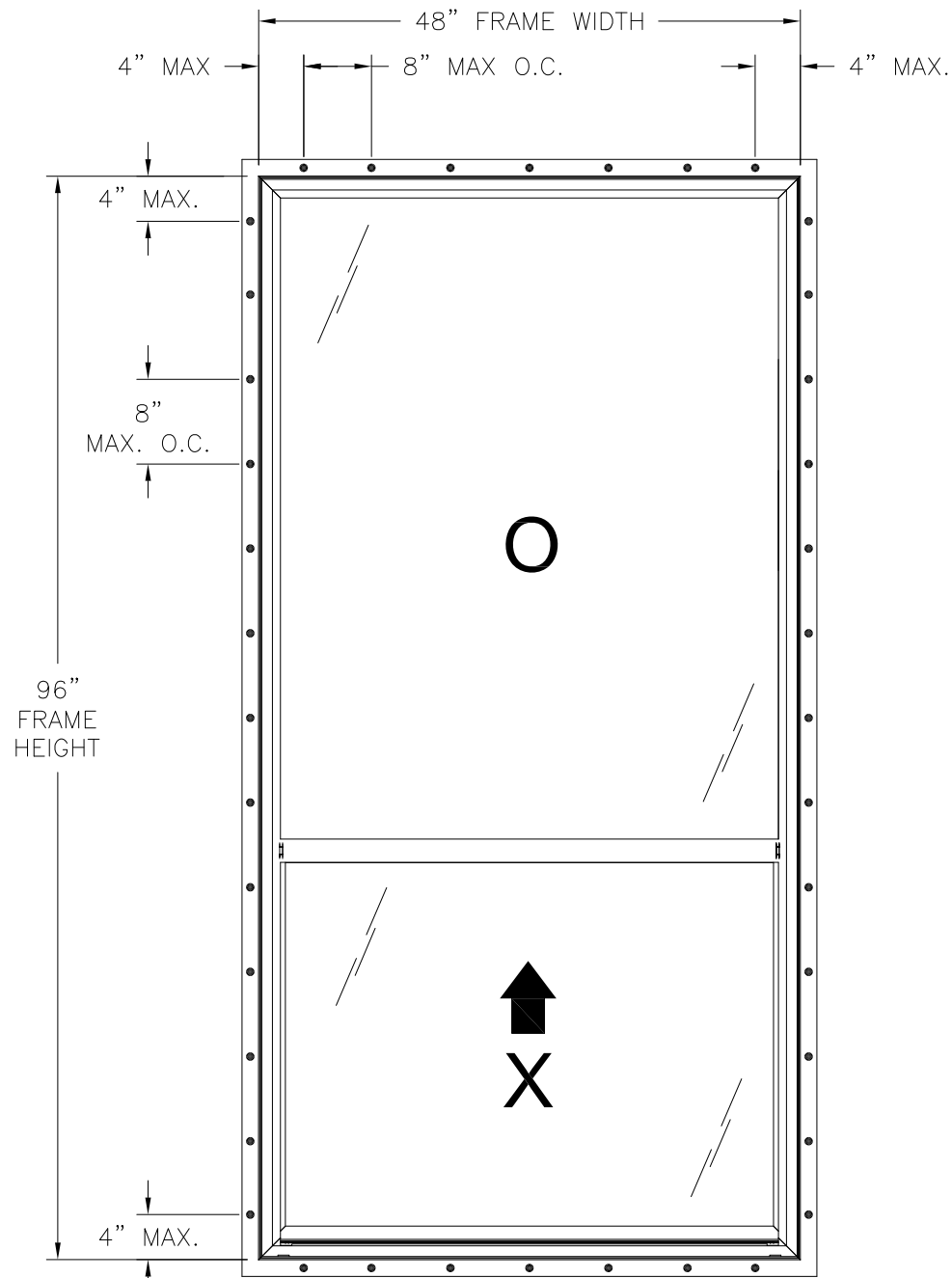
SIGNED: 08/07/2019



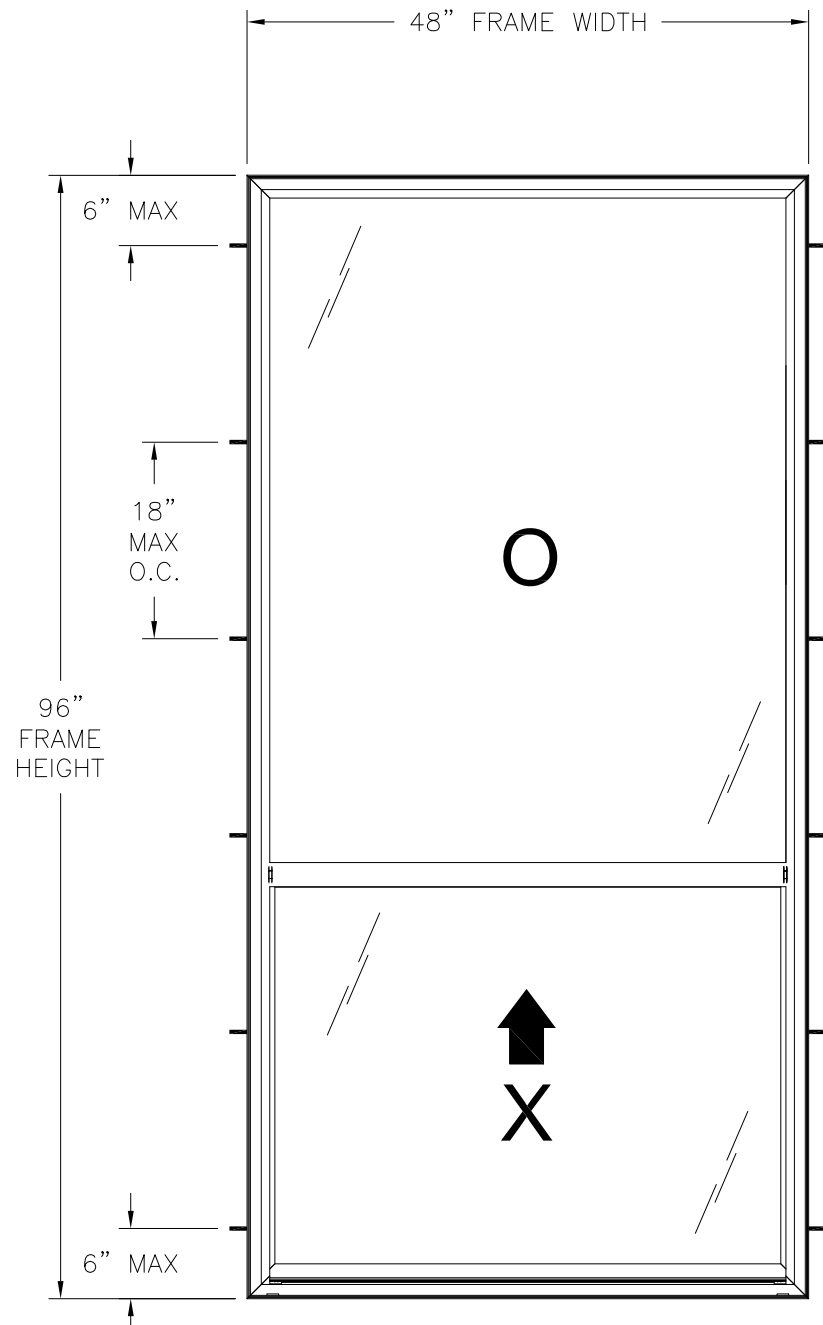
Luis R. Lomas P.E.
FL No.: 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.



SERIES 3540 PVC SH WINDOW FIN INSTALLATION
EXTERIOR VIEW



SERIES 3540 PVC SH WINDOW FRAME INSTALLATION
EXTERIOR VIEW

- NOTES:
1. SASH SIZE: 46 1/8" X 35 1/8"
 2. SASH D.L.O.: 43 1/8" X 32 3/16"
 3. FIXED D.L.O.: 44 1/8" X 56 11/8"

DESIGN PRESSURE RATING	IMPACT RATING
± 30.0 PSF	NONE

48" X 96" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 32.0 FT²

HARDWARE SCHEDULE	
A.	(2 PER SASH) METAL CAM LOCK WITH KEEPER AT INTERIOR MEETING RAIL, 7" FROM EACH END
B.	(2 PER SASH) PVC SURFACE MOUNT TILT LATCH AT INTERIOR MEETING RAIL ENDS
C.	(2 PER SASH) COIL BALANCES, ONE IN EACH JAMB
D.	(2 PER SASH) METAL PIVOT BAR AT BOTTOM RAIL ENDS
E.	STEEL REINFORCEMENT (GVL-451-020) AT SASH RAILS AND STILES
F.	STEEL REINFORCEMENT (RF-104S-020) AT FIXED MEETING RAIL

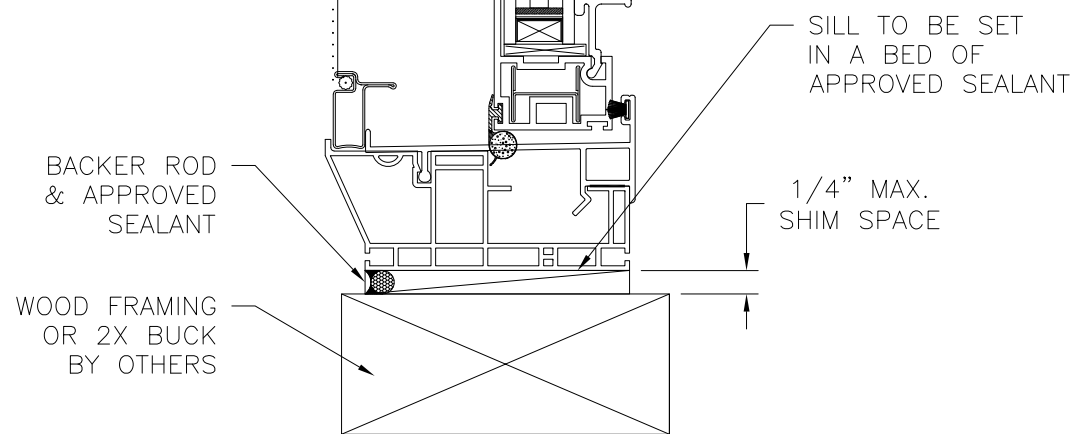
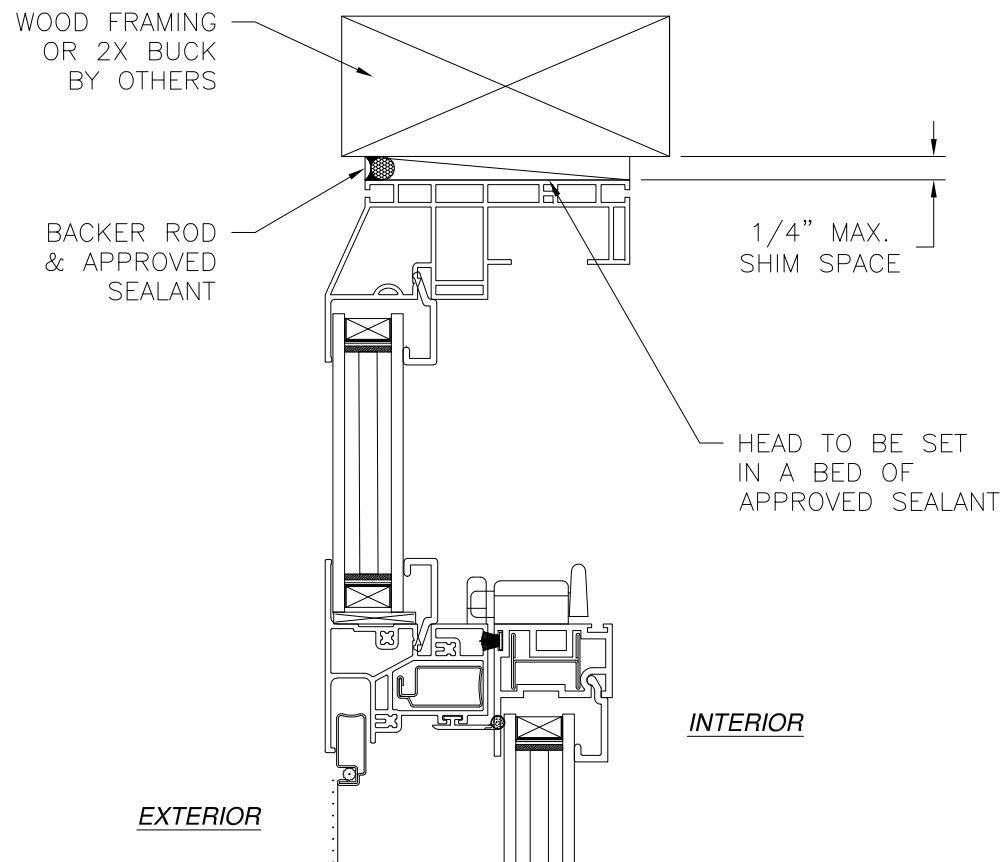
MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 96" ELEVATION		
DRAWN: A.R.	DWG NO. 08-03353	REV A
SCALE NTS	DATE 11/08/18	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/07/2019

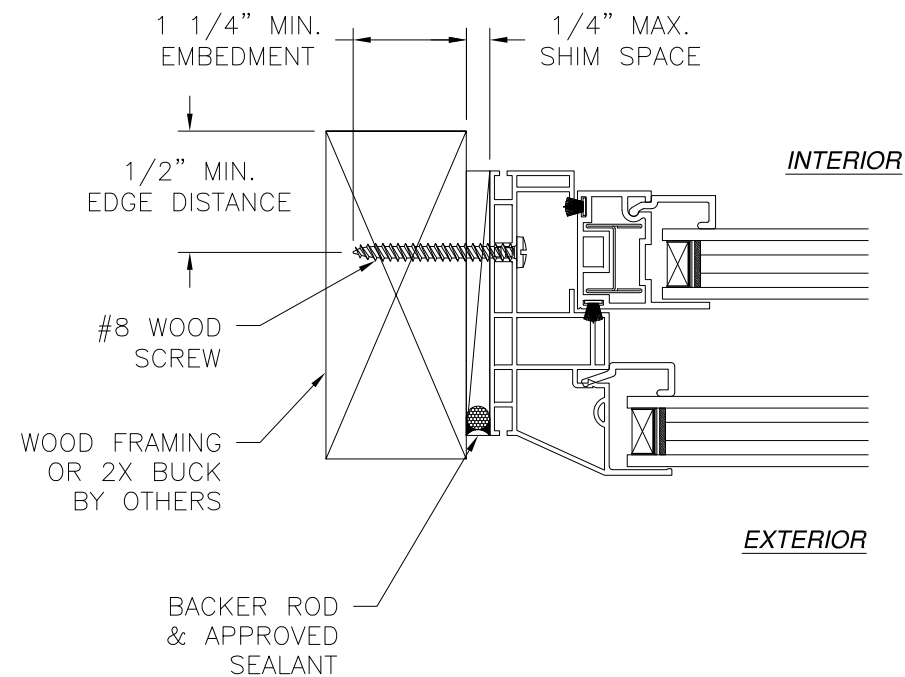


Luis R. Lomas P.E.
FL No.: 62514





VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.

MI WINDOWS & DOORS, LLC

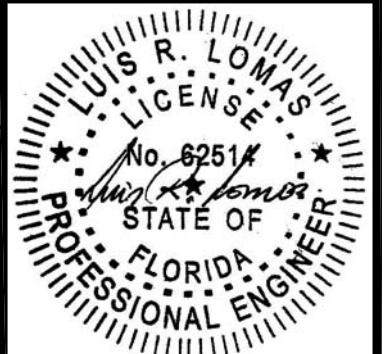
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03353	REV A
SCALE NTS	DATE 11/08/18	SHEET 3 OF 10

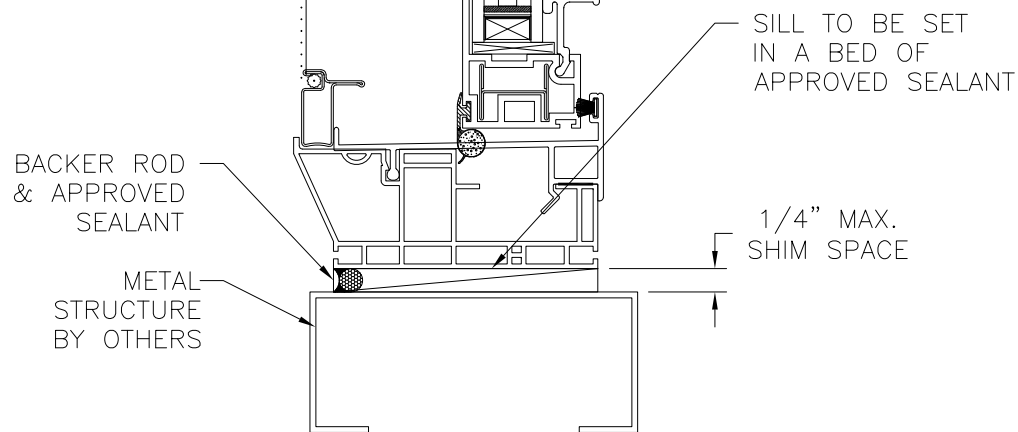
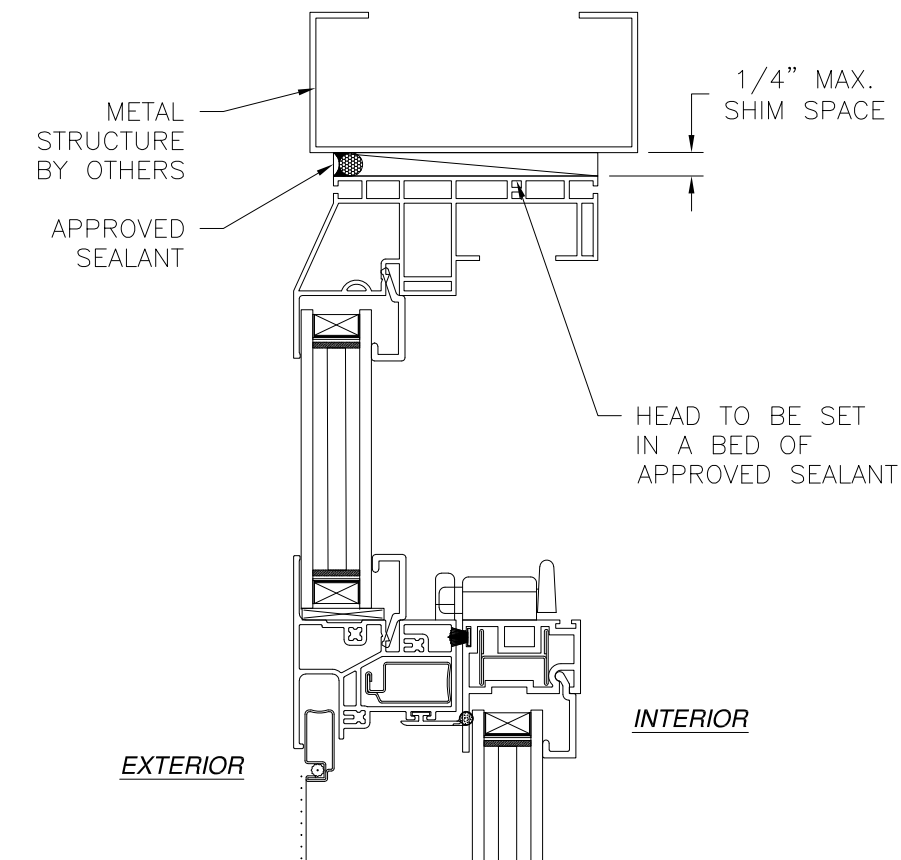
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/07/2019

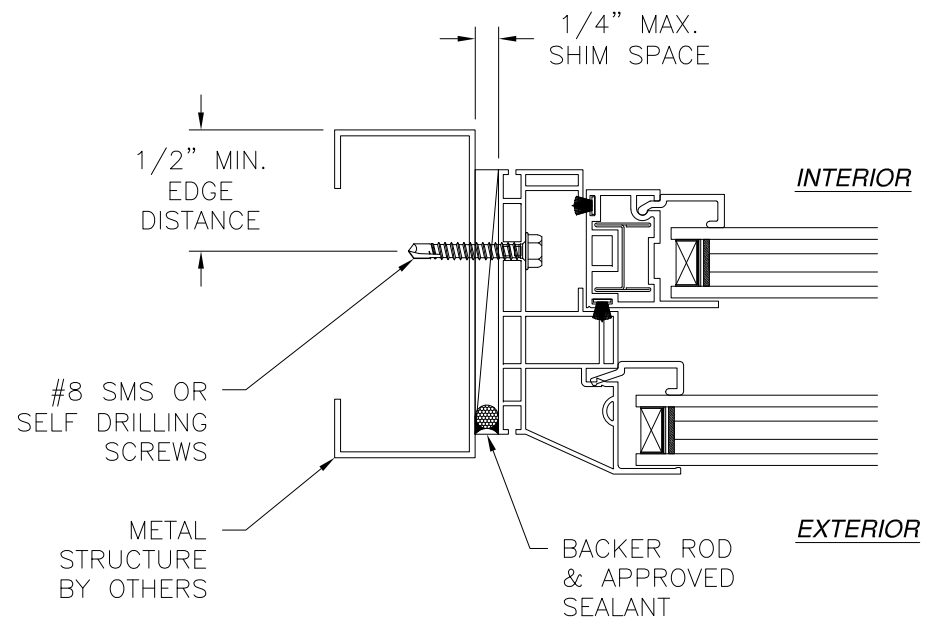


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/07/2019

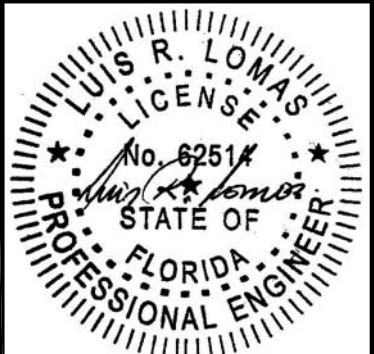
MI WINDOWS & DOORS, LLC

650 WEST MARKET STREET
GRATZ, PA 17030-0370

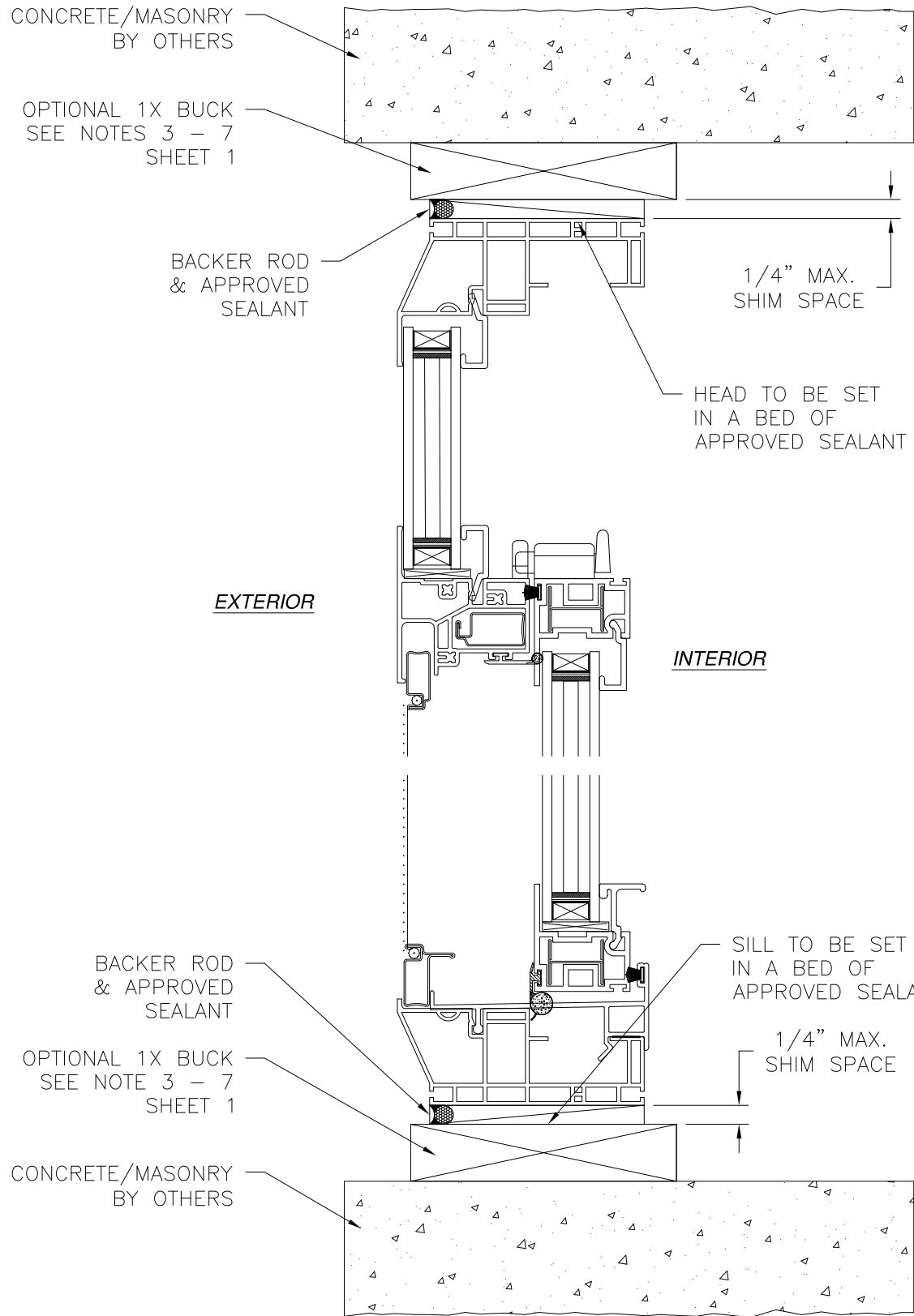
SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03353	REV A
SCALE NTS	DATE 11/08/18	SHEET 4 OF 10

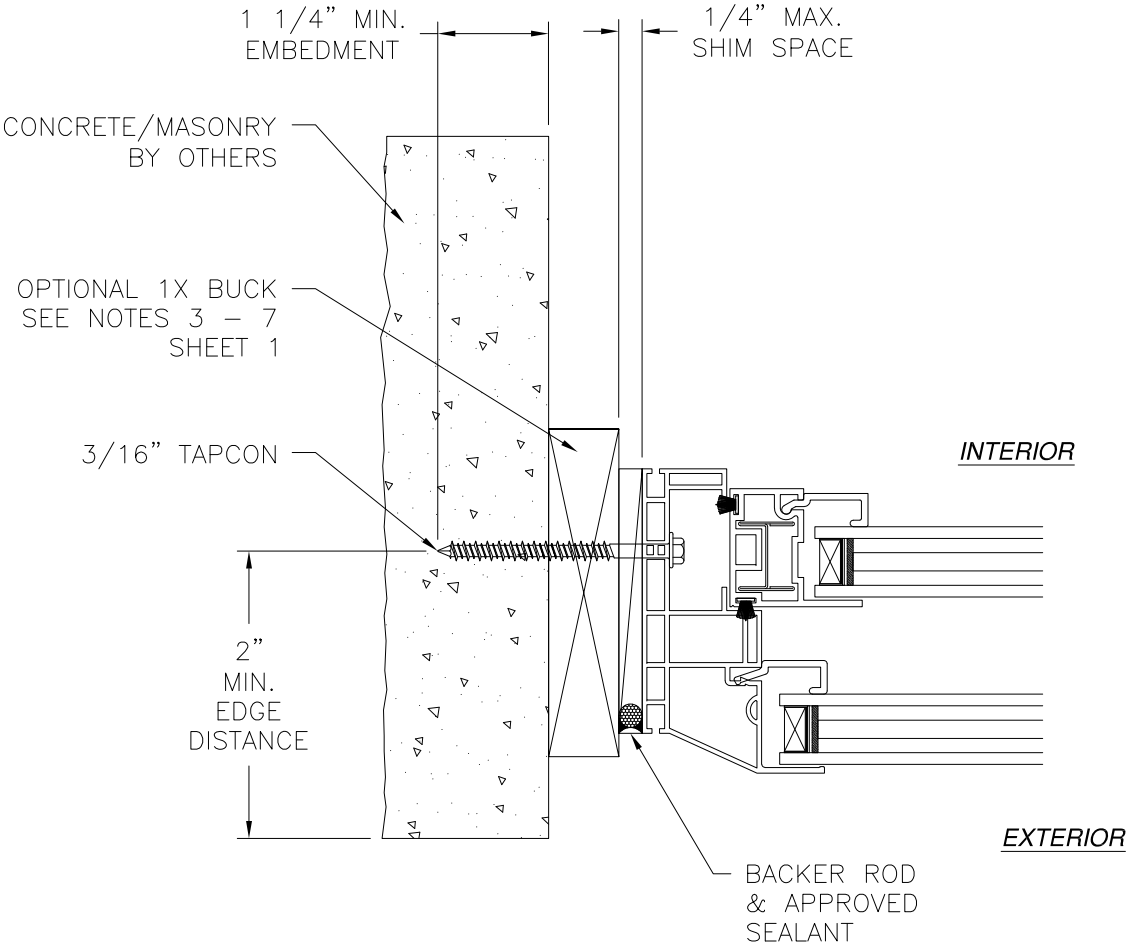
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

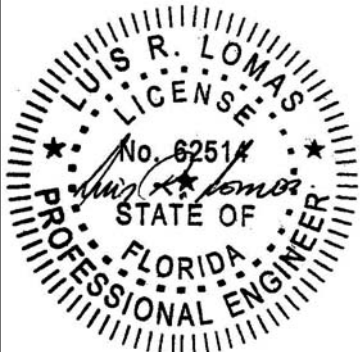


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- NOTES:**
1. **INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.**
 2. **PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112**

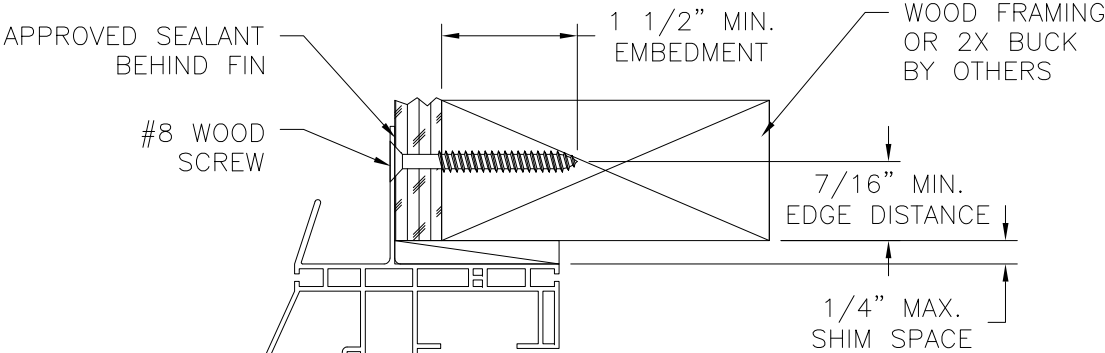
MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 96" INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03353	REV A
SCALE NTS	DATE 11/08/18	SHEET 5 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/07/2019



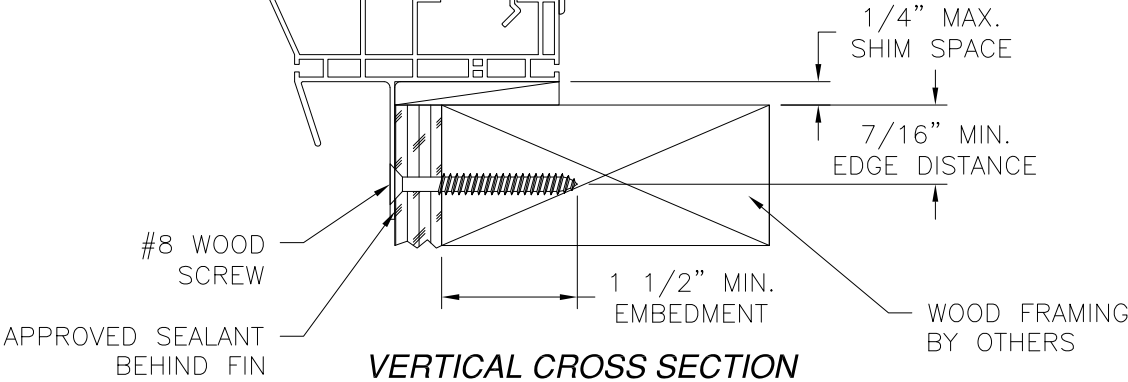
Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.

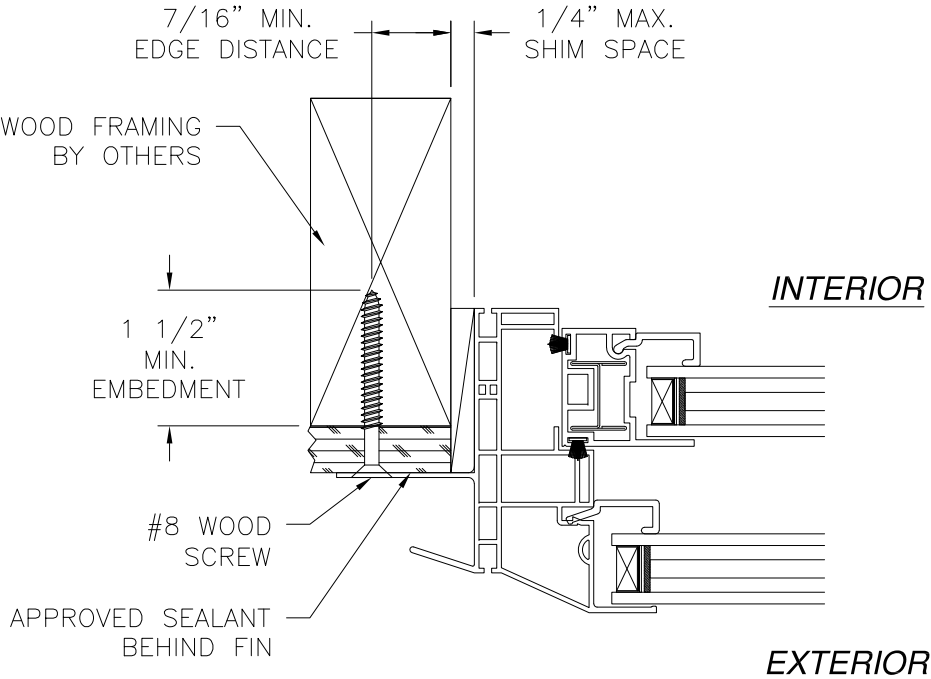


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/07/2019

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS WITH "J" CHANNEL

DRAWN:
A.R.

DWG NO.
08-03353

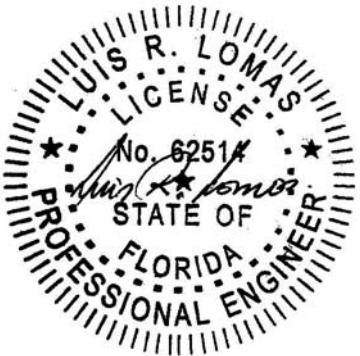
REV
A

SCALE
NTS

DATE
11/08/18

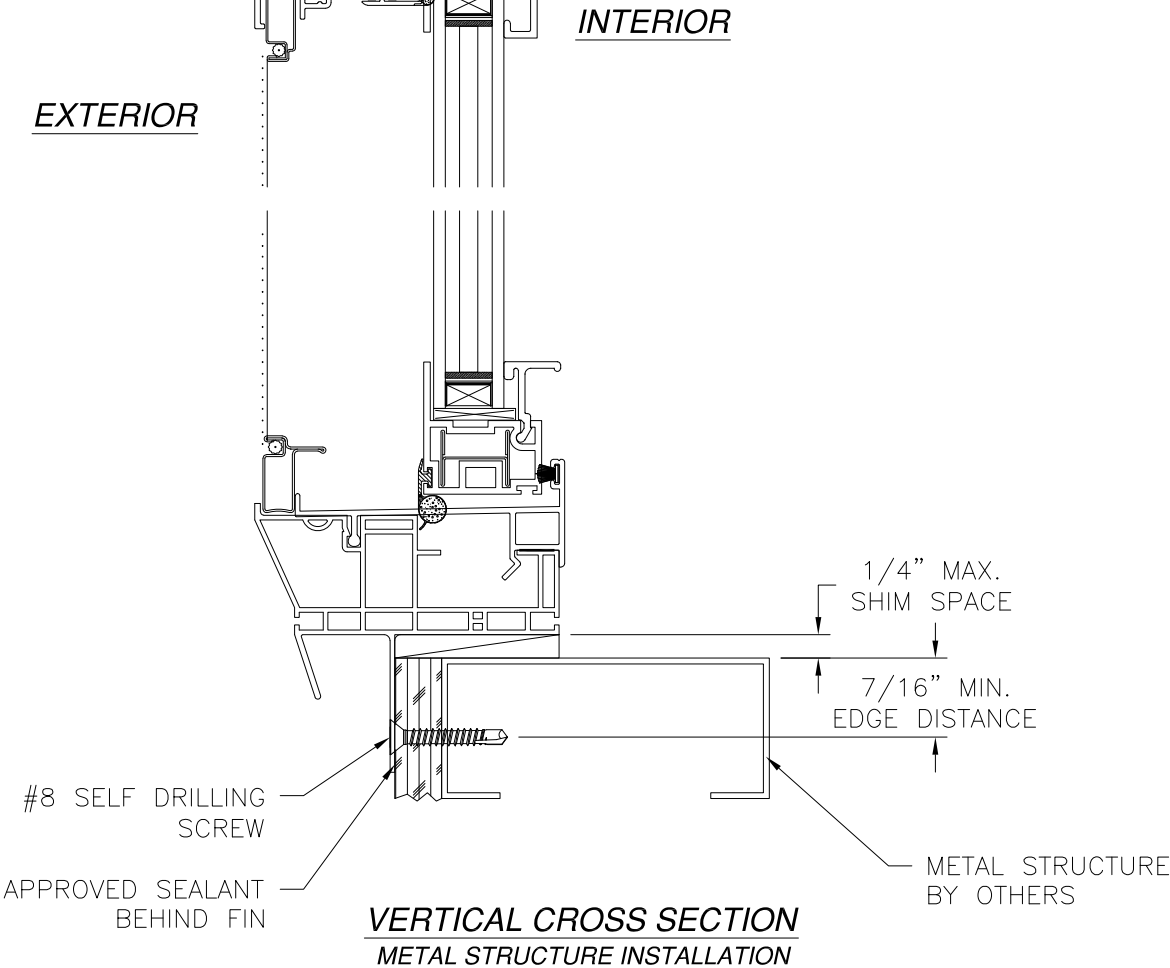
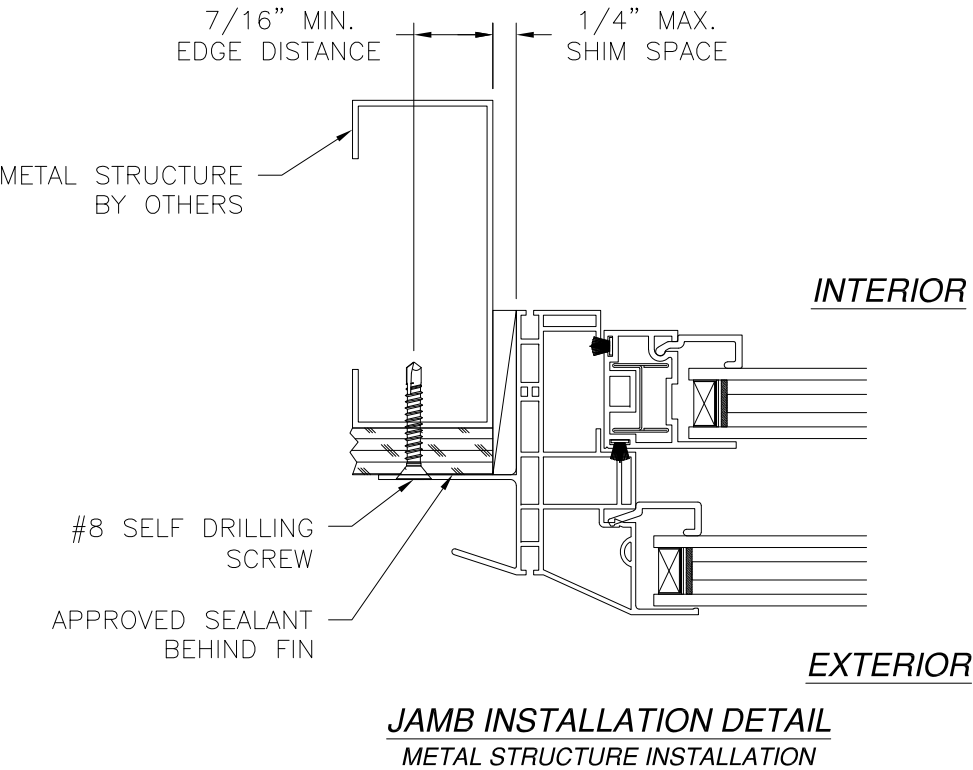
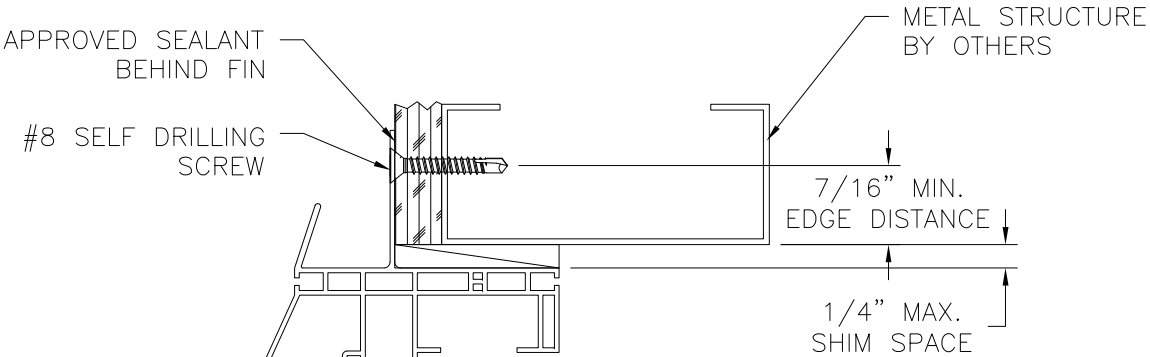
SHEET
6 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.



- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/07/2019

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS WITH "J" CHANNEL

DRAWN:
A.R.

DWG NO.
08-03353

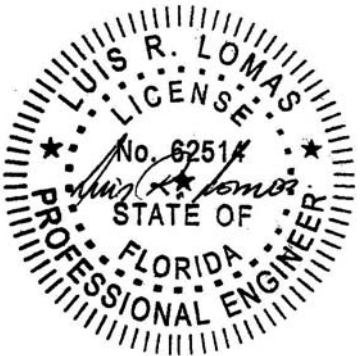
REV
A

SCALE
NTS

DATE
11/08/18

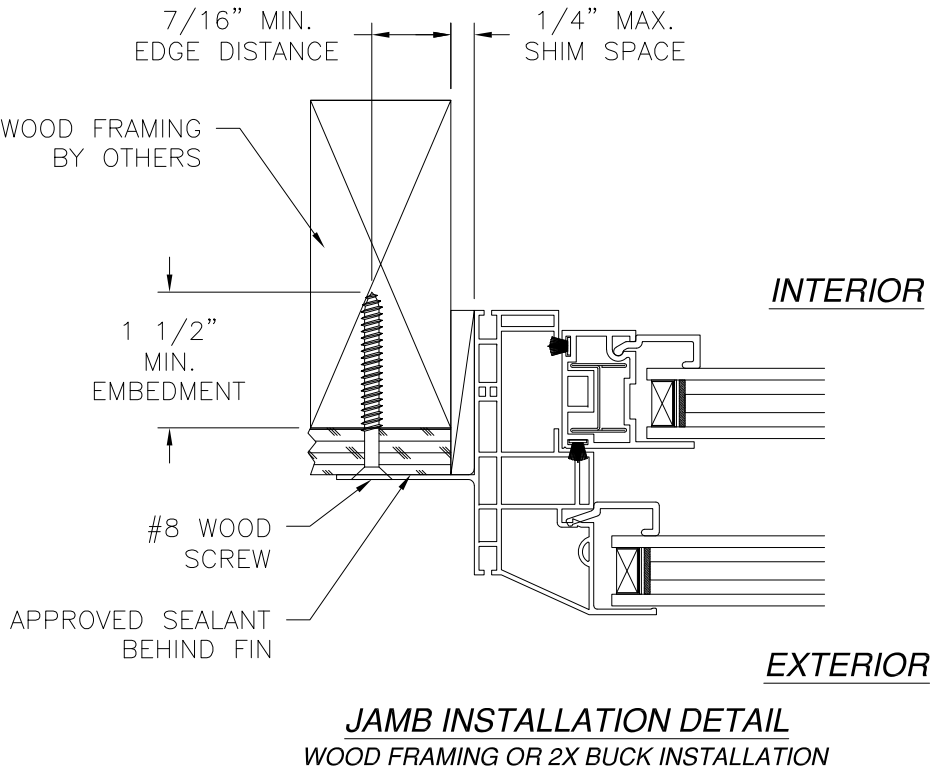
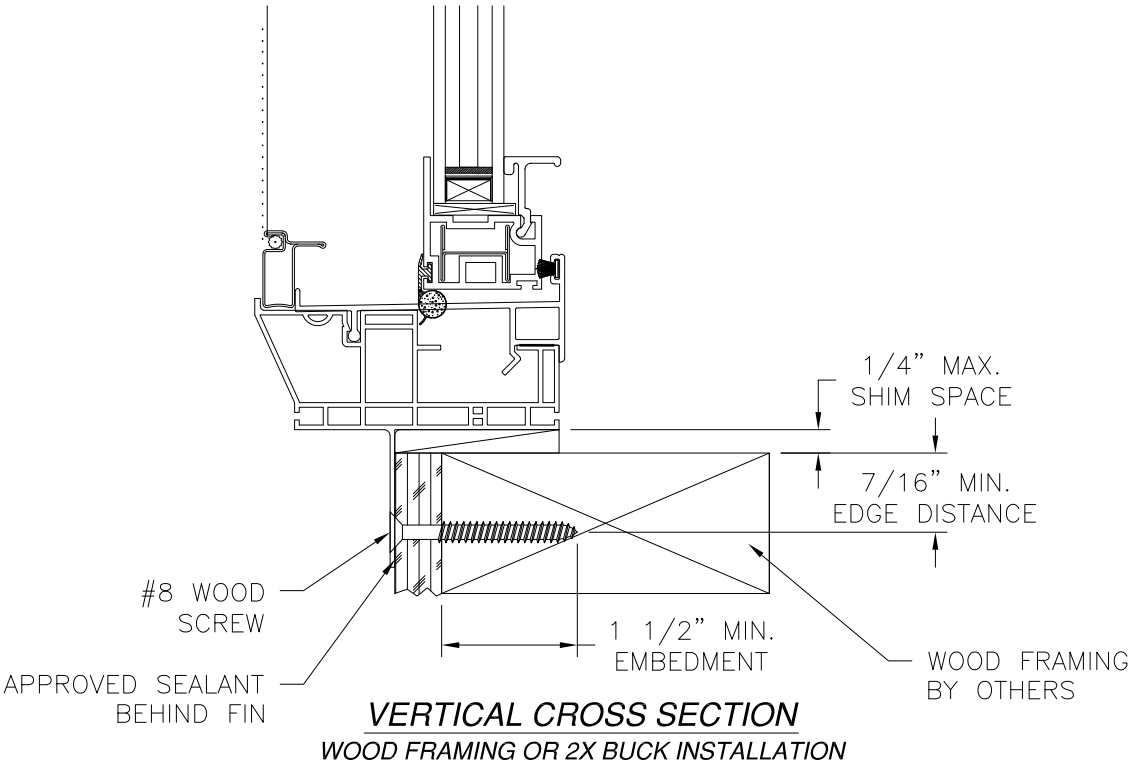
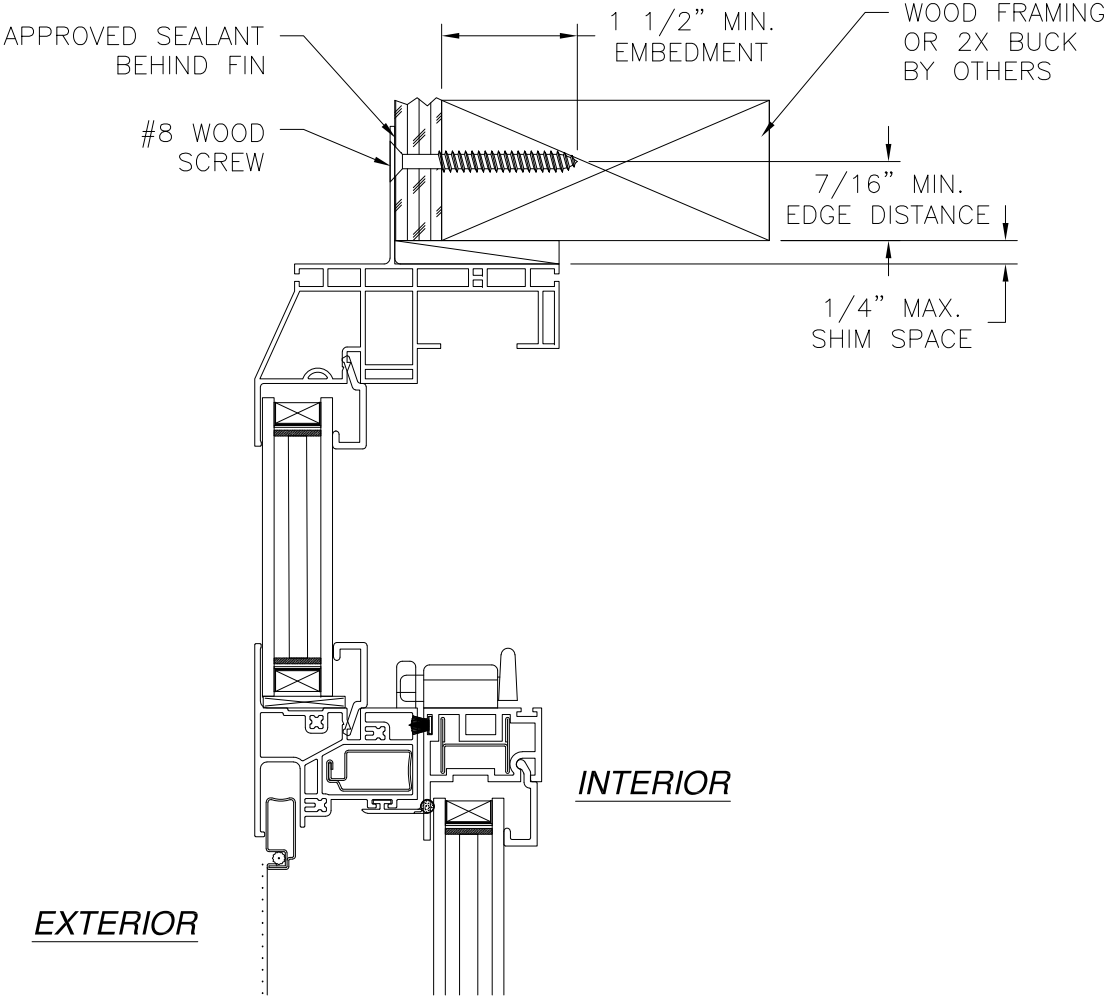
SHEET
7 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.



- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/07/2019

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS STANDARD FRAME

DRAWN:
A.R.

DWG NO.
08-03353

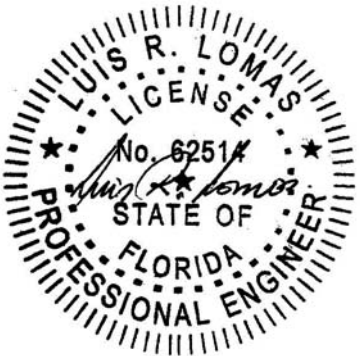
REV
A

SCALE
NTS

DATE
11/08/18

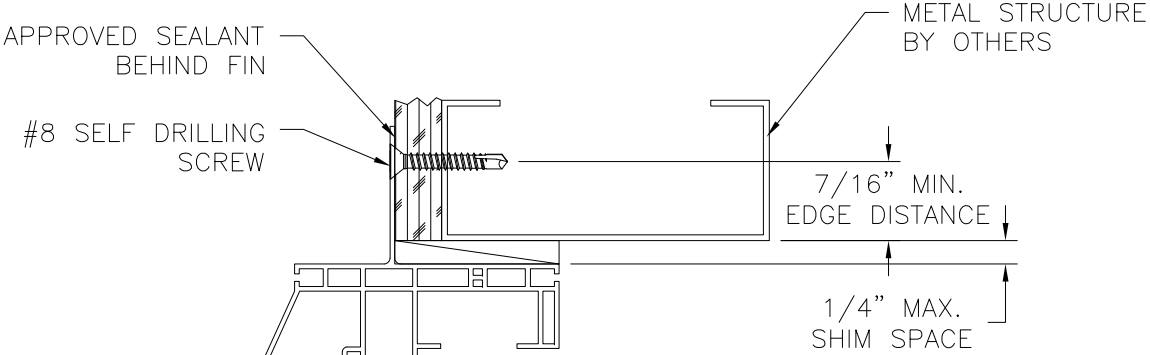
SHEET
8 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



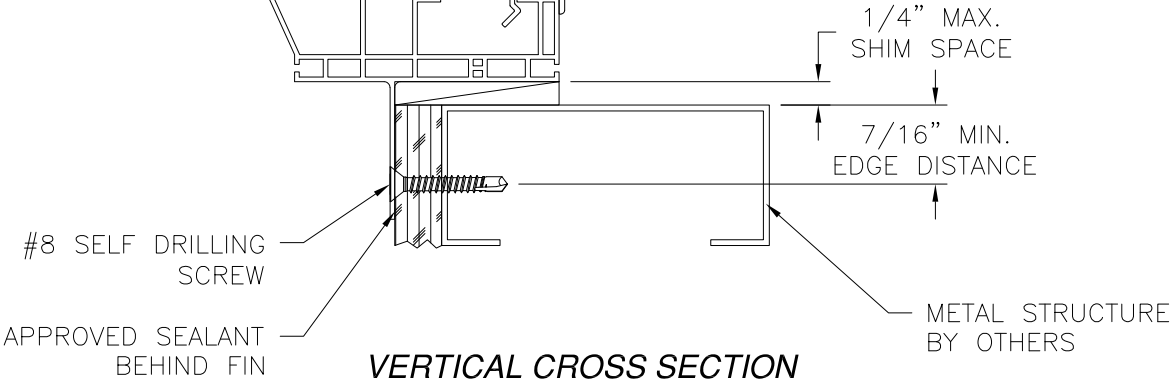
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.

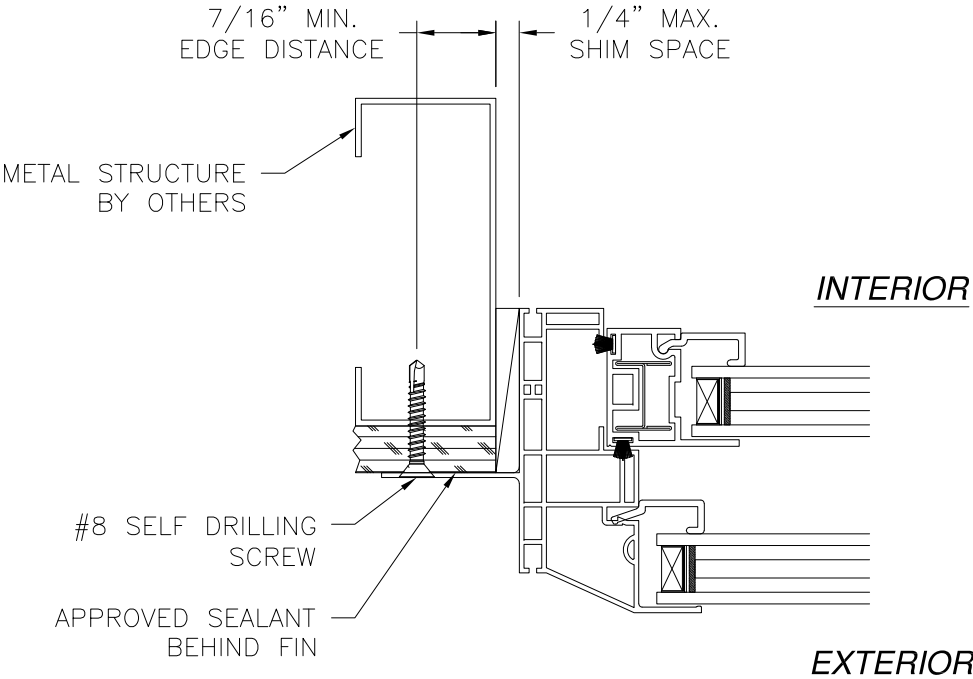


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/07/2019

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
INSTALLATION DETAILS STANDARD FRAME

DRAWN:
A.R.

DWG NO.
08-03353

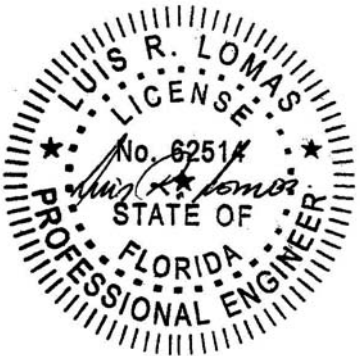
REV
A

SCALE
NTS

DATE
11/08/18

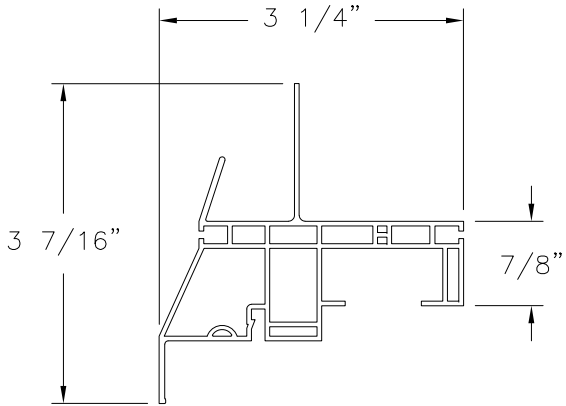
SHEET
9 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

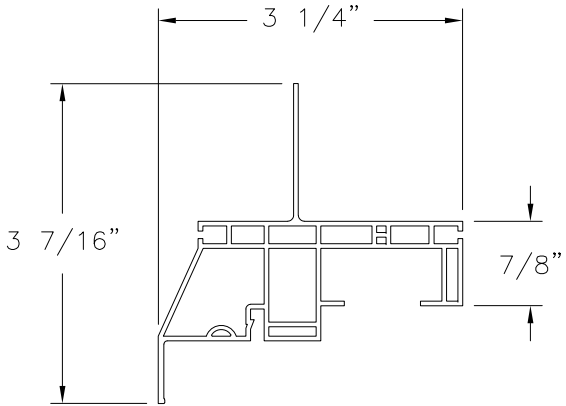


Luis R. Lomas P.E.
FL No.: 62514

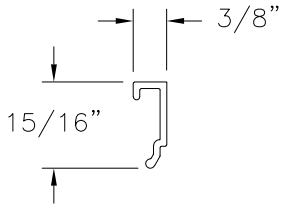
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES	08/07/19	R.L.



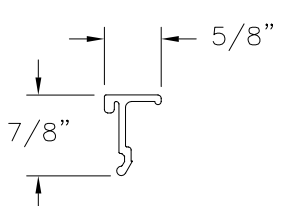
MAIN FRAME WITH "J" CHANNEL
PVC (V-538)



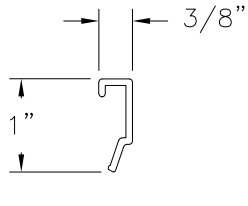
MAIN FRAME
PVC (V-634)



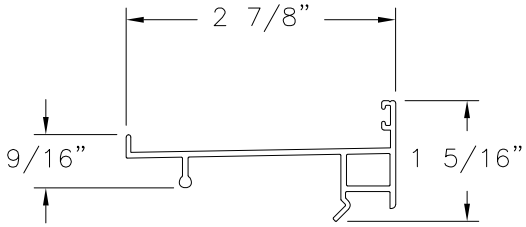
GLAZING BEAD
PVC (V-816)



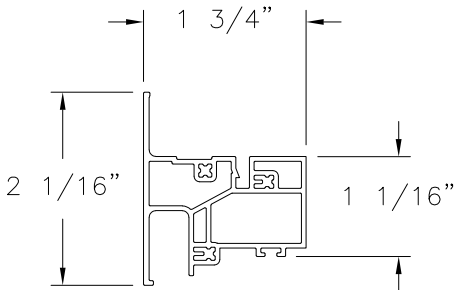
LIFT BEAD
PVC (V-817)



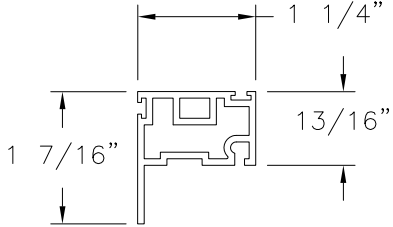
GLAZING BEAD
PVC (V-819)



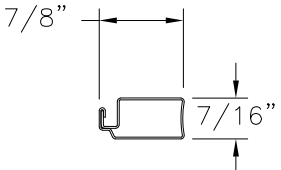
SNAP IN SILL
PVC (V-661)



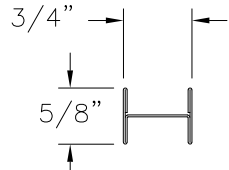
FIXED MEETING RAIL
PVC (V-321)



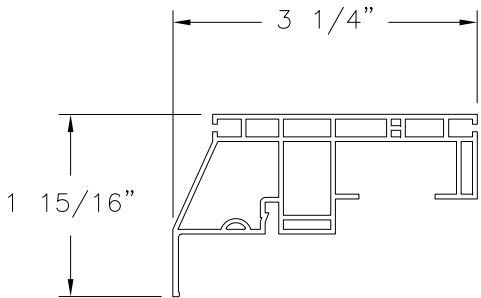
SASH RAIL
PVC (V-451)



MEETING RAIL LINER
STEEL .019" THICK (RF-104S)



SASH LINER
STEEL .020" THICK (GVL-451)



MAIN FRAME
PVC (V-634)

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 96"
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03353

REV
A

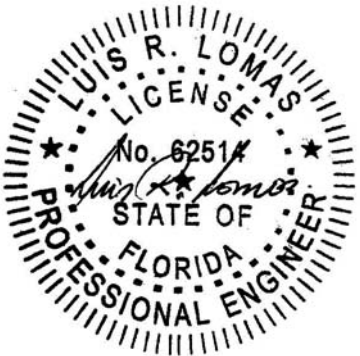
SCALE
NTS

DATE
11/08/18

SHEET
10 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/07/2019



Luis R. Lomas P.E.
FL No.: 62514